

# Claims

[c1] What is claimed is:

1. An image editing device for editing image data captured by a phone camera, wherein the image editing device is connected to the phone camera and a mobile phone, the phone camera comprising a housing, and a connecting port installed on the housing, the mobile phone comprising a housing, and a connecting port installed on the housing of the mobile phone, the image editing device comprising:

a housing;

a receiving module installed inside the housing of the image editing device for connecting to the connecting port of the phone camera and receiving data from the phone camera;

an editing module installed inside the housing of the image editing device for editing data received by the receiving module;

a memory installed inside the housing of the image editing device for storing data;

a control module installed inside the housing of the image editing device for controlling the image editing device; and

an outputting module installed inside the housing of the image editing device for connecting to the connecting port of the mobile phone and outputting data edited by the editing module to the mobile phone.

- [c2] 2.The image editing device of claim 1 further comprising a transmitting module installed inside the housing of the image editing device for connecting to a computer and transmitting data with the computer.
- [c3] 3.The image editing device of claim 2 wherein the transmitting module communicates with the computer in the Bluetooth wireless network protocol.
- [c4] 4.The image editing device of claim 2 wherein the transmitting module communicates with the computer by infrared technology.
- [c5] 5.The image editing device of claim 2 wherein the transmitting module contains a USB interface.
- [c6] 6.The image editing device of claim 1 wherein the receiving module of the image editing device contains a Pop-Port™ interface.
- [c7] 7.The image editing device of claim 1 wherein the outputting module of the image editing device contains a RS-232 interface.

- [c8] 8.The image editing device of claim 1 further comprising a plurality of control buttons installed on the housing of the image editing device for inputting a control signal.
- [c9] 9.The image editing device of claim 8 wherein the editing module further comprises a special effect program.
- [c10] 10.The image editing device of claim 9 wherein the plurality of control buttons comprise a hot key for activating the special effect program.
- [c11] 11.The image editing device of claim 1 further comprising a touch panel installed on the housing of the image editing device for inputting a control signal.
- [c12] 12.The image editing device of claim 1 further comprising a power supply module installed inside the housing of the image editing device for receiving external electric power and supplying the electric power to the image editing device.
- [c13] 13.A method for editing image data captured by a phone camera, wherein the phone camera comprises a housing and a connecting port installed on the housing of the phone camera, the method comprising:  
(a)providing an image editing device;  
(b)transmitting data received captured by the phone

camera to the image editing device;  
(c) editing the data captured by the phone camera with the image editing device; and  
(d) transmitting the data edited by the image editing device to a mobile phone.

[c14] 14. The method of claim 13 wherein the image editing device further comprises:  
a housing;  
a receiving module installed inside the housing of the image editing device for connecting to the connecting port of the phone camera and receiving data from the phone camera;  
an editing module installed inside the housing of the image editing device for editing data received by the receiving module;  
a memory installed inside the housing of the image editing device for storing data;  
a control module installed inside the housing of the image editing device for controlling the image editing device; and  
an outputting module for outputting data to the mobile phone.

[c15] 15. The method of claim 14 wherein the receiving module of the image editing device contains a Pop-Port™ interface.

- [c16] 16.The method of claim 14 wherein the outputting module of the image editing device contains a RS-232 interface.
- [c17] 17.The method of claim 14 wherein the image editing device further comprises a plurality of control buttons installed on the housing of the image editing device for inputting a control signal.
- [c18] 18.The method of claim 14 wherein the image editing device further comprises a touch panel installed on the housing of the image editing device for inputting a control signal .
- [c19] 19.The method of claim 13 wherein the image editing device is a computer.
- [c20] 20.The method of claim 19 wherein the image editing device is connected to the phone camera and the mobile phone by cables.